

SERVICE DATE - JUNE 20, 2002

SURFACE TRANSPORTATION BOARD

Decision

STB Ex Parte No. 290 (Sub-No. 5) (2002-3)

QUARTERLY RAIL COST ADJUSTMENT FACTOR

Decided: June 14, 2002

In Railroad Cost Recovery Procedures, 1 I.C.C.2d 207 (1984), the Interstate Commerce Commission (ICC) outlined the procedures for calculating the all-inclusive index of railroad input prices and the method for computing the rail cost adjustment factor (RCAF). Under the procedures, the Association of American Railroads (AAR) is required to calculate the index on a quarterly basis and submit it on the fifth day of the last month of each calendar quarter. In Railroad Cost Recovery Procedures, 5 I.C.C.2d 434 (1989), aff'd sub nom. Edison Electric Institute, et al. v. ICC, 969 F.2d 1221 (D.C. Cir. 1992), the ICC adopted procedures that require the adjustment of the quarterly index for a measure of productivity.

The provisions of 49 U.S.C. 10708 direct the Surface Transportation Board (Board) to continue to publish both an unadjusted RCAF and a productivity-adjusted RCAF. In Productivity Adjustment-Implementation, Ex Parte No. 290 (Sub-No. 7) (STB served Oct. 3, 1996), the Board decided to publish a second productivity-adjusted RCAF called the RCAF-5. Consequently, three indices are now filed with the Board: the RCAF (Unadjusted), the RCAF (Adjusted), and the RCAF-5. The RCAF (Adjusted), which reflects national average productivity changes as originally developed and applied by the ICC, is currently based on a 5-year moving average. The RCAF-5 reflects national average productivity changes as if a 5-year moving average had been applied consistently from the productivity adjustment's inception in 1989.

The index of railroad input prices, RCAF (Unadjusted), RCAF (Adjusted), and RCAF-5 for the third quarter 2002 are shown in Table A of the Appendix to this decision. Table B shows the first quarter 2002 index and the RCAF calculated on both an actual and a forecasted basis. The difference between the actual calculation and the forecasted calculation is the forecast error adjustment.

Both the RCAF (Adjusted) and the RCAF-5 are currently calculated using a moving 5-year average of productivity change for U.S. Class I railroads. An average productivity change rate of 1.042 (4.2% per year) for the period 1996-2000 is currently used for the RCAF (Adjusted). In accordance with Ex Parte No. 290 (Sub-No. 7), supra, the RCAF-5 will continue to use the 1995-1999 average productivity change rate of 1.028 (2.8%) until January 1, 2003.

We have examined AAR's calculations for compliance with our procedures and find that the third quarter 2002 RCAF (Unadjusted) is 1.062, no change from the second quarter 2002 RCAF of 1.062. The RCAF (Adjusted) is 0.557, a decrease of 1.1% from the second quarter 2002 RCAF (Adjusted) of 0.563. The RCAF-5 is 0.537, a decrease of .7% from the second quarter 2002 RCAF-5 of 0.541

This decision will not significantly affect the quality of the human environment or the conservation of energy resources.

Pursuant to 5 U.S.C. 605(b), we conclude that our action will not have a significant economic impact on a substantial number of small entities within the meaning of the Regulatory Flexibility Act.

AUTHORITY: 49 U.S.C. 10708.

It is ordered:

1. The Board has approved the third quarter 2002 Rail Cost Adjustment Factor (Unadjusted) of 1.062, RCAF (Adjusted) of 0.557, and RCAF-5 of 0.537.
2. Notice of this decision will be published in the Federal Register.
3. The effective date of this decision is July 1, 2002.

By the Board, Chairman Morgan and Vice Chairman Burkes.

Vernon A. Williams  
Secretary

**TABLE A**  
**Ex Parte No. 290 (Sub-No. 5) (2002-3)**  
**All Inclusive Index of Railroad Input Costs**

LINE NO.	INDEX COMPONENT	2000 WEIGHTS	SECOND QUARTER 2002 FORECAST	THIRD QUARTER 2002 FORECAST
1	LABOR	36.5%	257.3	257.1
2	FUEL	10.7%	82.5	94.4
3	MATERIALS AND SUPPLIES	4.8%	150.0	149.9
4	EQUIPMENT RENTS	11.1%	176.6	177.0
5	DEPRECIATION	10.2%	149.7	149.7
6	INTEREST	4.6%	108.8	108.8
7	OTHER ITEMS <sup>1</sup>	22.1%	159.2	160.1
8	WEIGHTED AVERAGE	100.0%	185.0	186.4
9	LINKED INDEX <sup>2</sup>		184.2	185.6
10	PRELIMINARY RAIL COST ADJUSTMENT FACTOR <sup>3</sup>		106.4	107.2
11	FORECAST ERROR ADJUSTMENT <sup>4</sup>		-0.002	-0.010
12	RCAF (UNADJUSTED) (LINE 10 + LINE 11)		1.062	1.062
13	RCAF (ADJUSTED) <sup>5</sup>		0.563	0.557
14	RCAF-5 <sup>6</sup>		0.541	0.537

<sup>1</sup> "Other Items" is a combination of Purchased Services, Casualties and Insurance, General and Administrative, Other Taxes, Loss and Damage, and Special Charges, price changes for all of which are measured by the Producer Price Index for Industrial Commodities Less Fuel and Related Products and Power.

<sup>2</sup> Linking is necessitated by a change to the 1999 weights beginning with the fourth quarter 2000. The following formula was used for the current quarter's index:

$$\frac{3^{\text{rd}} \text{ Qr. 2002 Index (2000 Weights)}}{2^{\text{nd}} \text{ Qr. 2002 Index (2000 Weights)}} \text{ Times } 2^{\text{nd}} \text{ Quarter Linked Index (1980 = 100 Linked)} \text{ Equals } \text{Linked Index (Current Quarter)}$$

Or

$$\frac{186.4}{185.0} \times 184.2 = 185.6$$

<sup>3</sup> The first quarter 1998 RCAF was rebased using the October 1, 1997, level of 173.2 in accordance with the requirements of the Staggers Rail Act of 1980 (10/1/97 = 1.00).

<sup>4</sup> The third quarter 2002 forecast error adjustment was calculated as follows: a. First quarter 2002 RCAF calculated using forecasted data equals 107.6; b. First quarter 2002 RCAF calculated using actual data equals 106.6; c. The difference equals the forecast error (b-a) of -1.0. Since the actual first quarter value is less than the forecast, the difference is subtracted from the preliminary RCAF.

<sup>5</sup> The third quarter 2002 RCAF Adjusted (0.557) is calculated by dividing the third quarter 2002 RCAF Unadjusted (1.062) by the third quarter productivity adjustment factor of 1.9072. The third quarter 2002 productivity adjustment factor is calculated by multiplying the second quarter 2002 productivity adjustment factor of 1.8878 by the fourth root (1.0103) of the 1996-2000 annual average productivity growth rate of 1.042%.

<sup>6</sup> The third quarter 2002 RCAF-5 (0.537) is calculated by dividing the third quarter 2002 RCAF Unadjusted (1.062) by the third quarter productivity adjustment factor-5 (PAF-5) of 1.9784. The third quarter 2002 productivity adjustment factor is calculated by multiplying the second quarter 2002 PAF-5 of 1.9648 by the fourth root (1.0069) of the 1995-1999 annual average productivity growth rate of 1.028%.

TABLE B

**Ex Parte No. 290 (Sub-No. 5) (2002-3)**  
**Comparison of First Quarter 2002 Index**  
**Calculated on Both a Forecasted and an Actual Basis**

<b>Line No.</b>	<b>INDEX COMPONENT</b>	<b>2000 WEIGHT</b>	<b>FIRST QUARTER 2002 FORECAST</b>	<b>FIRST QUARTER 2002 ACTUAL</b>
1	LABOR	36.5%	260.3	256.9
2	FUEL	10.7%	87.4	75.9
3	MATERIALS AND SUPPLIES	4.8%	155.5	155.5
4	EQUIPMENT RENTS	11.1%	178.9	178.7
5	DEPRECIATION	10.2%	150.1	148.6
6	INTEREST	4.6%	108.8	108.8
7	OTHER ITEMS	22.1%	159.2	159.5
8	WEIGHTED AVERAGE	100.0%	187.2	184.6
9	LINKED INDEX		186.4	184.7
10	RAIL COST ADJUSTMENT FACTOR		107.6	106.6